

Amendment and Response under 37 C.F.R. 1.116

Applicant: Curtis Gregory Kelsay

Serial No.: 09/491,994

Filed: January 26, 2000

Docket No.: 10990356-2

Title: AN OPTICAL INTERLINK BETWEEN AN OPTICAL TRANSDUCER AND OPTICAL DATA PORT**IN THE CLAIMS**

Please cancel claims 20-23, 25-29, 33-39, 41, 43, 44, and 50 without prejudice.

Please amend claims 42 and 48 as follows:

1-41. (Cancelled)

42. (Currently Amended) ~~An apparatus~~ A printer, comprising:a housing;a print engine disposed within the housing;a printed circuit assembly disposed within the housing;a direct wire port electrically coupled to the printed circuit assembly;an optical transducer electrically coupled to the printed circuit assembly and
configured to transmit and receive information optically;an optical data port formed in the housing; anda light pipe assembly optically coupling and providing bi-directional communication
between the optical transducer and the optical data port.

43. (Cancelled)

44. (Cancelled)

45. (Previously Presented) The apparatus of claim 42, wherein the light pipe assembly includes a transmit light pipe adapted to optically transmit information from the optical transducer to the optical data port, and a receive light pipe adapted to optically receive information via the optical data port and optically transmit the received information to the optical transducer.

46. (Previously Presented) The apparatus of claim 45, wherein the optical data port is arranged to communicate with an open environment, and wherein the transmit light pipe is configured to exit and diverge light from the optical data port to the open environment, and

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the receive light pipe is configured to converge light from the open environment on the optical transducer.

47. (Previously Presented) The apparatus of claim 46, wherein the light pipe assembly further includes a transmit lens configured to increase an angle of illumination of light exiting the optical data port to the open environment, and a receive lens configured to collimate light from the open environment into the receive light pipe.

48. (Currently Amended) The apparatus of claim 42, ~~further comprising:~~
a housing having wherein the housing has a first side and a second side,
wherein the printed circuit assembly, the optical transducer, and the light pipe assembly are disposed within the housing, and
wherein the direct wire port communicates with the first side of the housing and the optical data port communicates with the second side of the housing.

49. (Previously Presented) The apparatus of claim 48, wherein the second side of the housing is opposite the first side of the housing.

50. (Cancelled)